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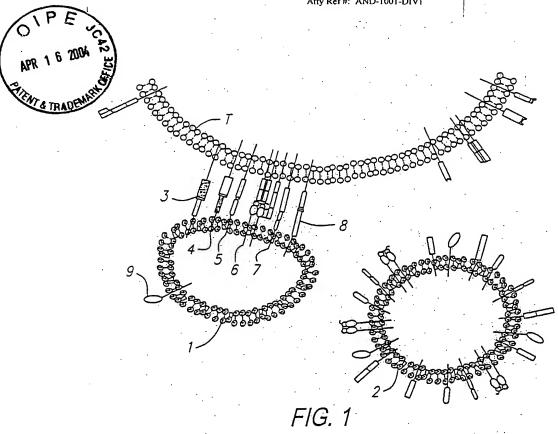
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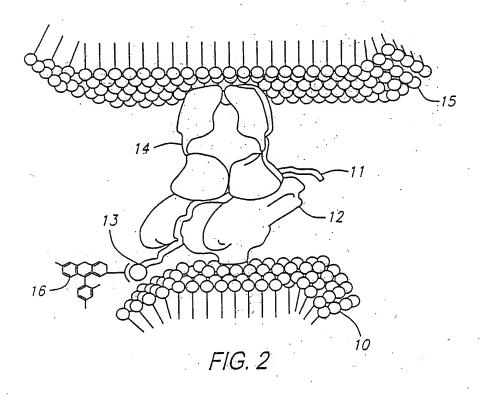
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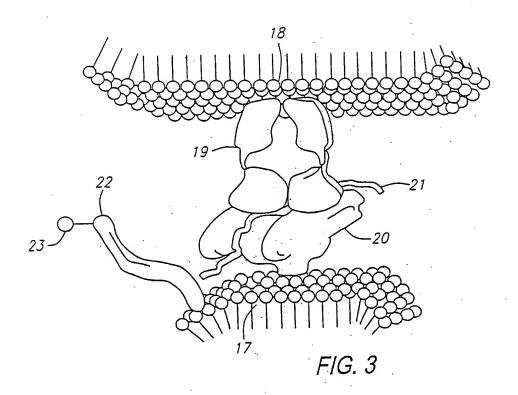
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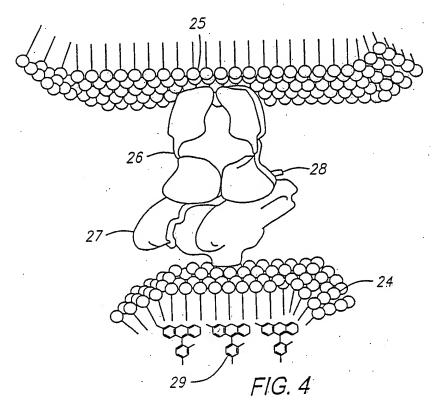
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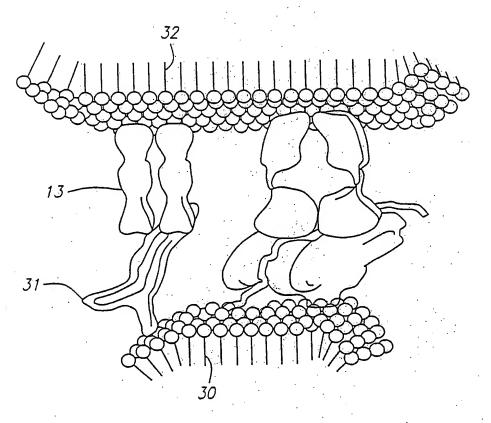
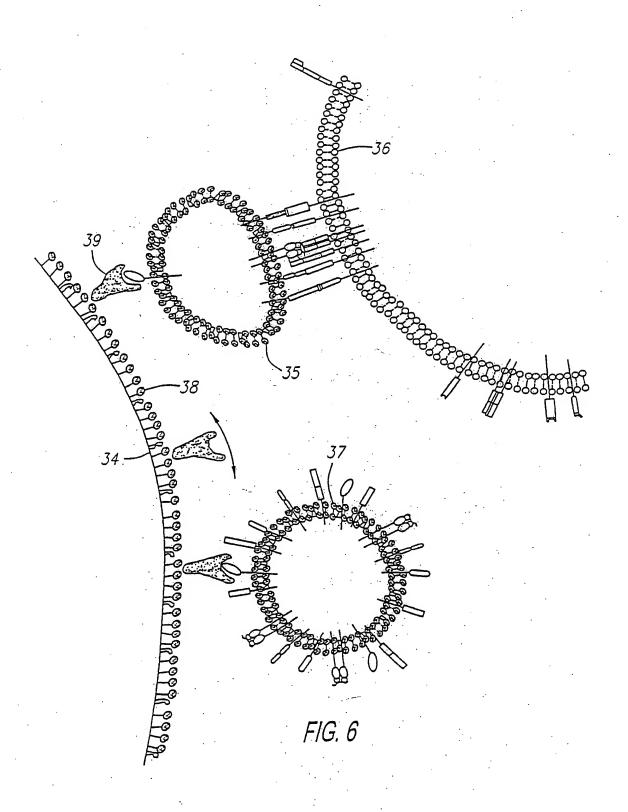
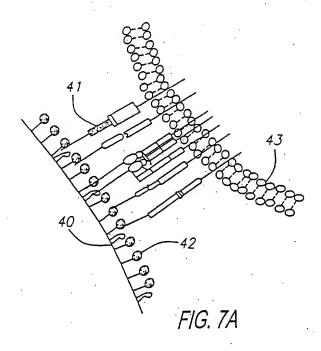
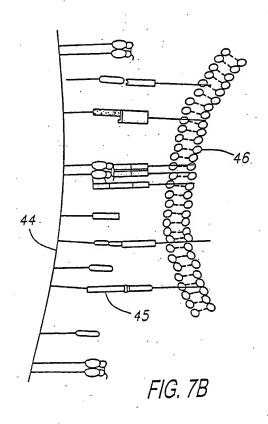


FIG. 5







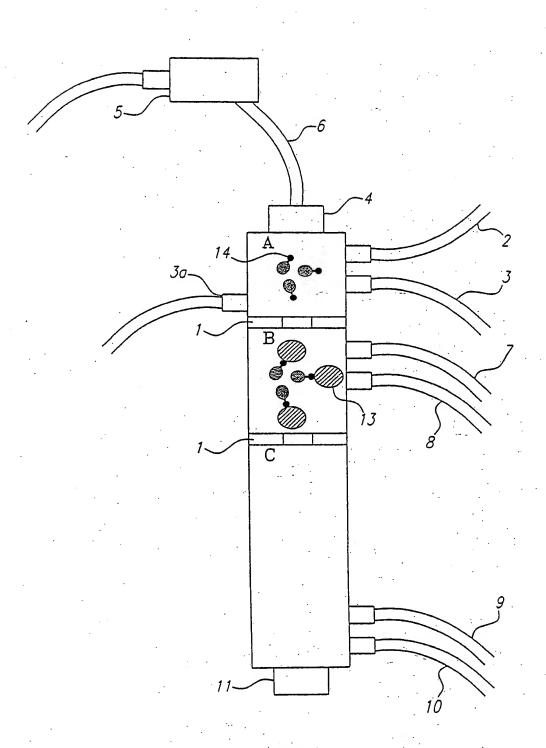
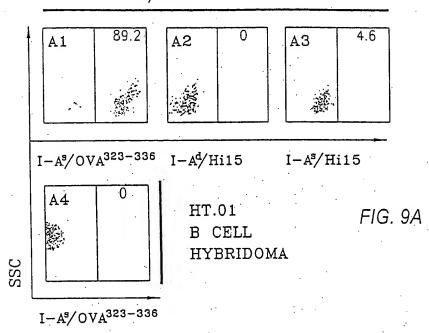
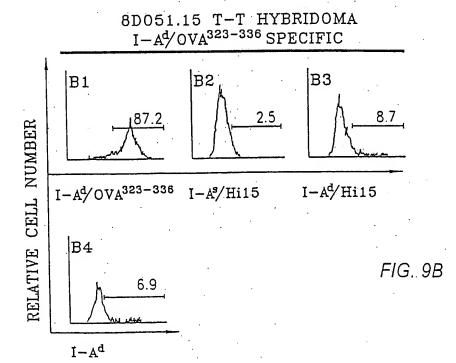
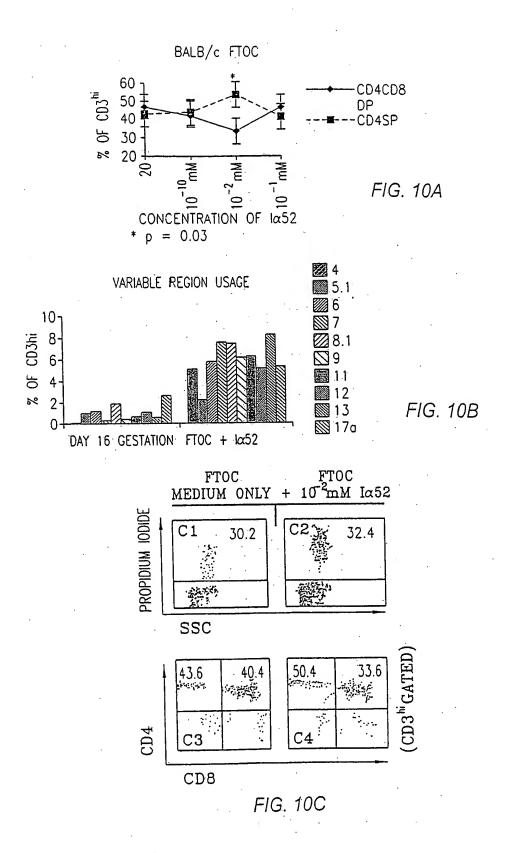


FIG. 8

AG111.207 T-T HYBRIDOMA I-A^s/OVA³²³⁻³³⁶ SPECIFIC







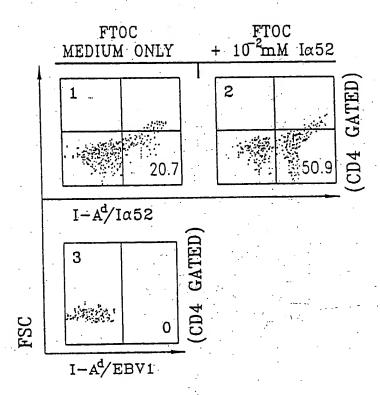
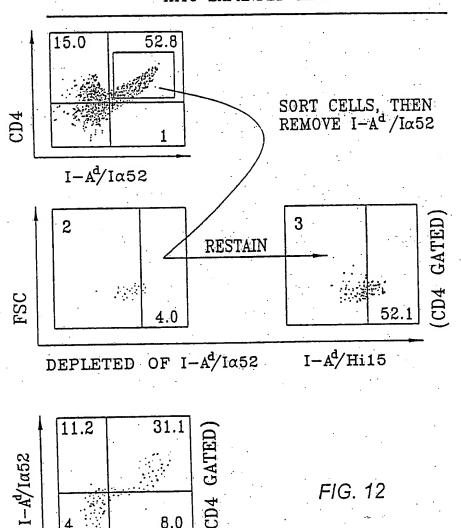


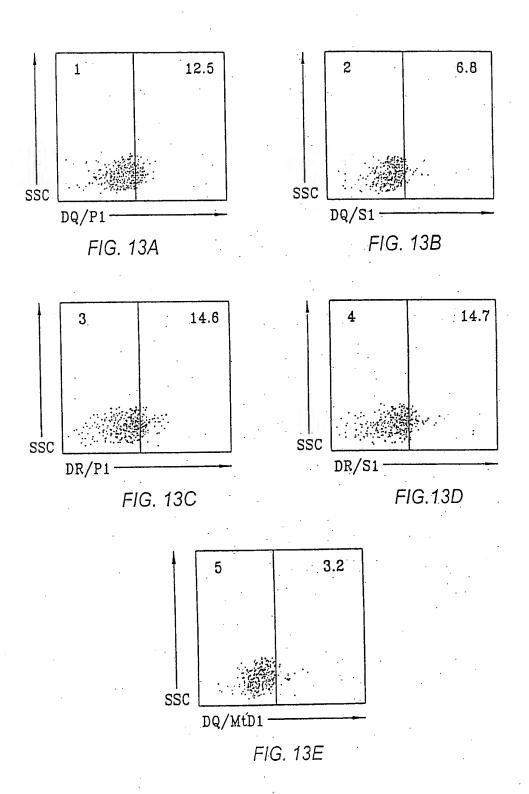
FIG. 11

Iα52 SUPPLEMENTED FTOC Hi15 EXPANDED LINE



8.0

 $I-A^d/Hi15$



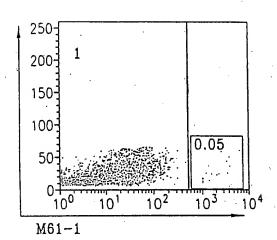


FIG. 14A

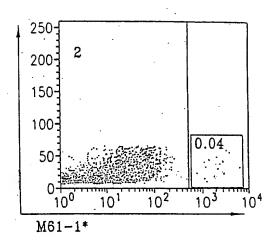


FIG. 14B

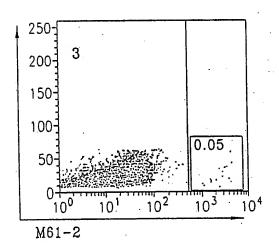


FIG. 14C

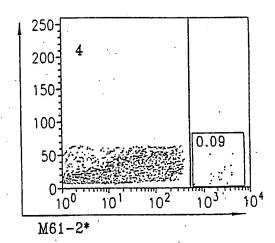


FIG. 14D

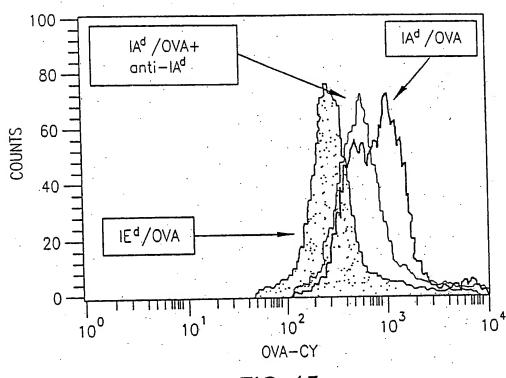


FIG. 15

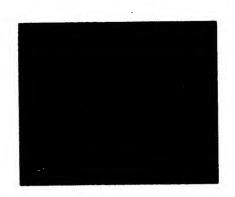


FIG. 16A

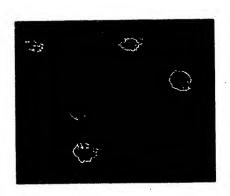


FIG. 16B

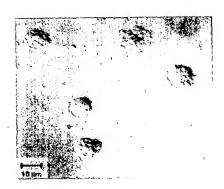


FIG. 16C

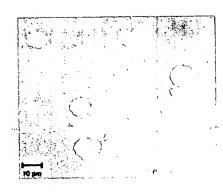


FIG. 16D

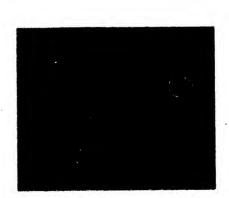


FIG. 16A

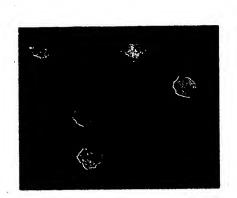


FIG. 16B

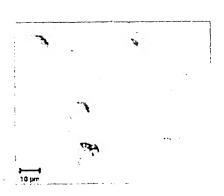


FIG. 16C

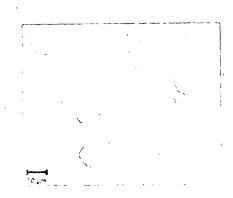


FIG. 16D

SN: 10/614,414

Inventor: ALBANI, Salvatore Atty Ref#: AND-1001-DIV1

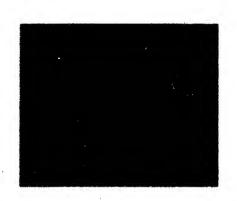


FIG. 16A

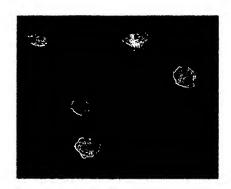


FIG. 16B



FIG. 16C

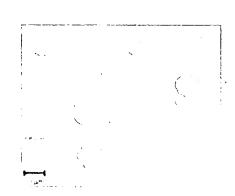


FIG. 16D

SN: 10/614,414

Inventor: ALBANI, Salvatore Atty Ref #: AND-1001-DIVI

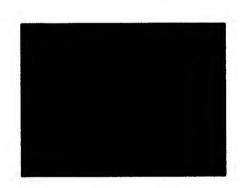


FIG. 16A

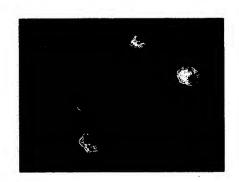


FIG. 16B

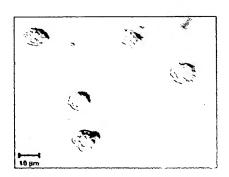


FIG. 16C

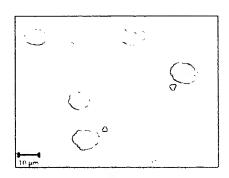


FIG. 16D

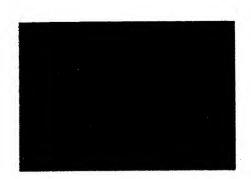


FIG. 17A

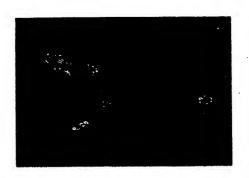


FIG. 17B



FIG. 17C



FIG. 17D

Inventor: ALBANI, Salvatore Atty Ref #: AND-1001-DIVI

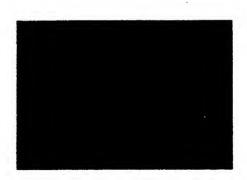


FIG. 17A

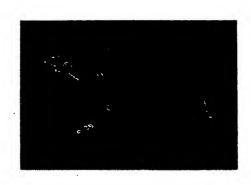


FIG. **1**7B



FIG. 17C

TII ym

FIG. 17D

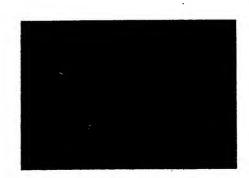


FIG. 17A

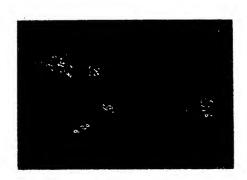
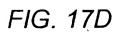


FIG. 17B



FIG. 17C



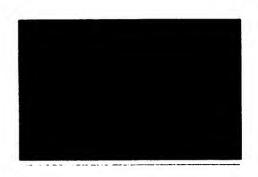


FIG. 17A

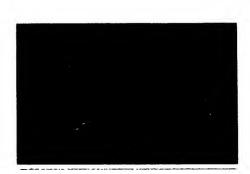


FIG. 17B



FIG. 17C

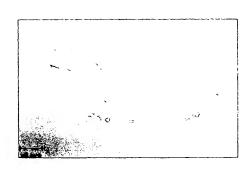


FIG. 17D

Inventor: ALBANI, Salvatore Atty Ref #: AND-1001-DIV1

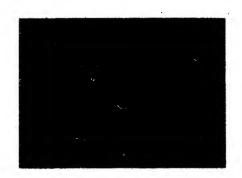


FIG. 18A

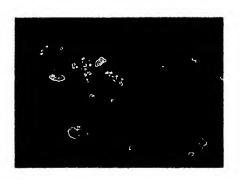


FIG. 18B



FIG. 18C

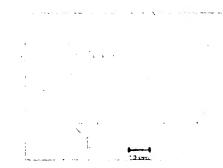


FIG. 18D

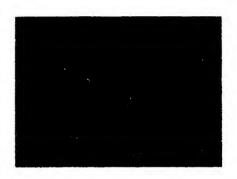


FIG. 18A

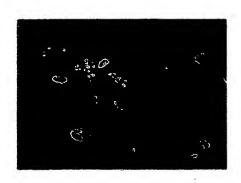


FIG. 18B

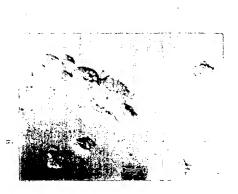


FIG. 18C



FIG. 18D

Inventor: ALBANI, Salvatore
Atty Ref #: AND-1001-DIVI

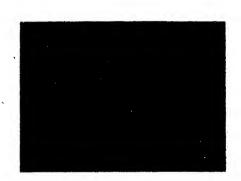


FIG. 18A

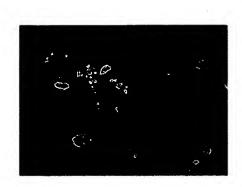


FIG. 18B



FIG. 18C

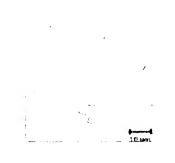


FIG. 18D

Inventor: ALBANI, Salvatore Atty Ref #: AND-1001-DIVI



FIG. 18A

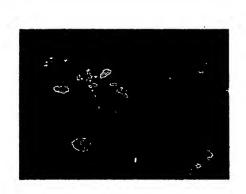


FIG. 18B



FIG. 18C

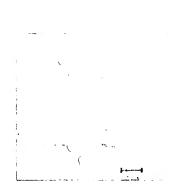


FIG. 18D

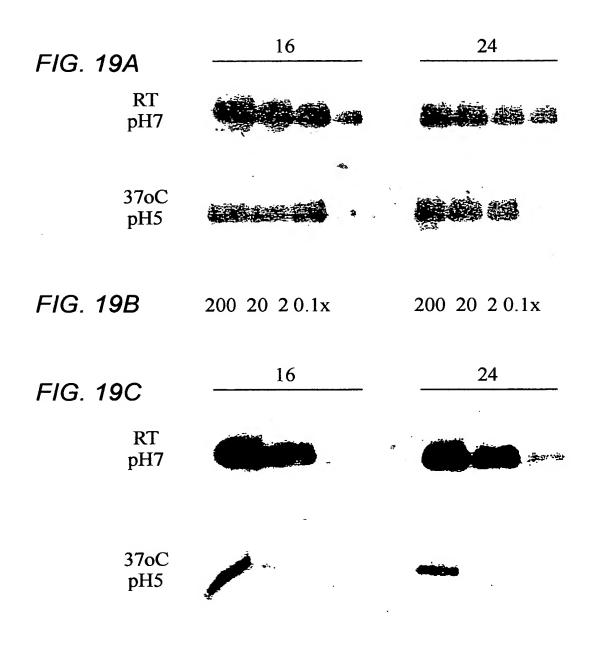
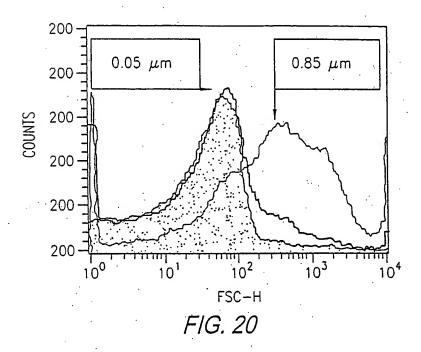
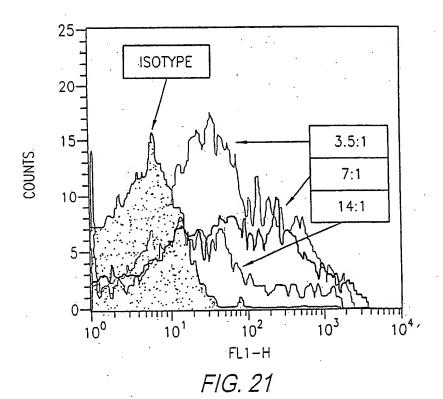


FIG. 19D

70 10 1x

70 10 1x





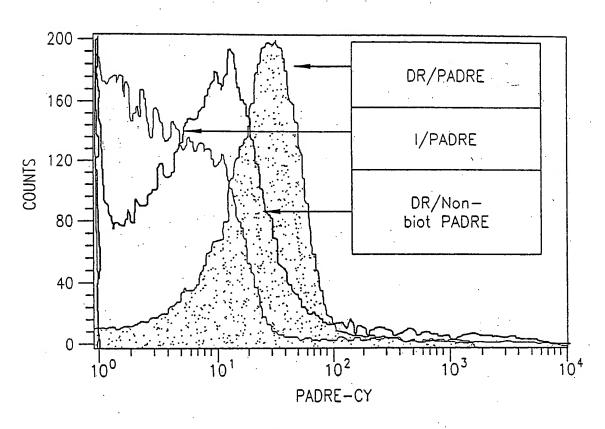
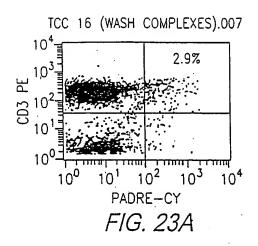
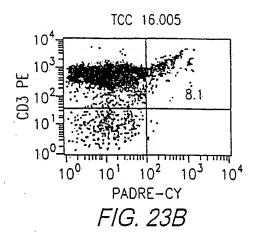
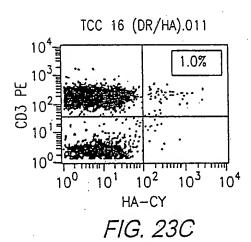
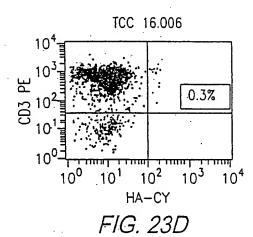


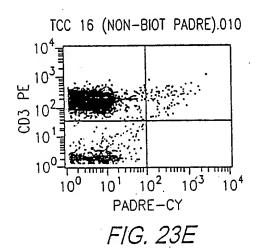
FIG. 22

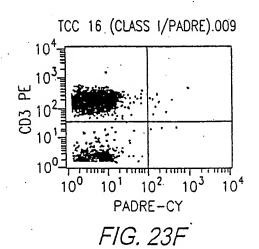












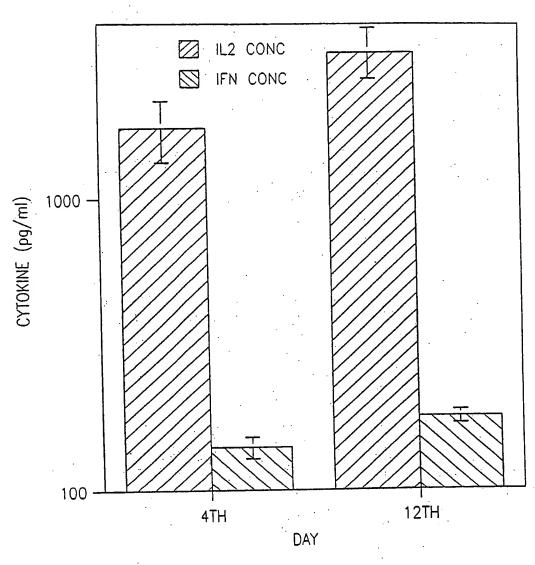
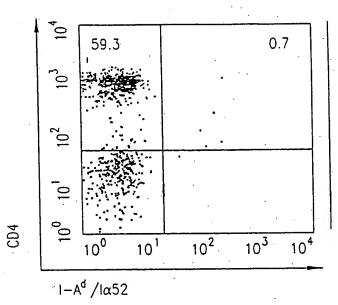


FIG. 24



ADJUTANT IMMUNIZED BALB/c LYMPH NODE DERIVED CELLS

FIG. 25A

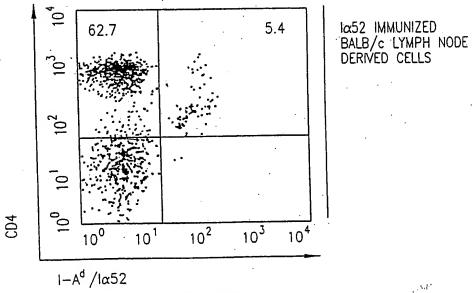


FIG. 25B

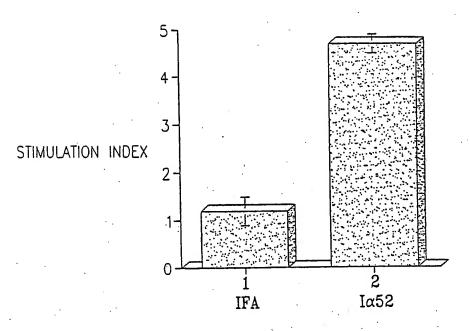
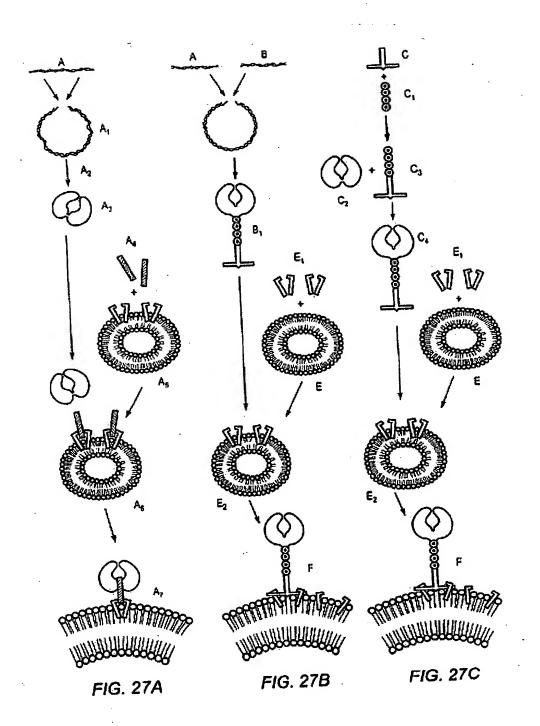
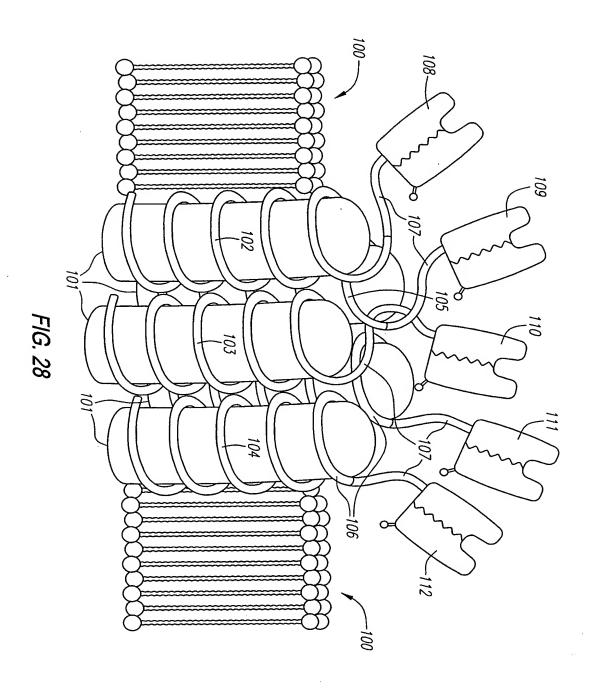


FIG. 26





B7.1-CTB construct translation DNA-PROTEIN

M G H T R R Q G T S P S K C P Y L N F F atg ggc cac aca cgg agg cag gga aca tca cca tcc aag tgt cca tac ctc aat ttc ttt O L L V L A G L S H F C S G V I H V T cag etc ttg gtg etc ggt ett tet eac tte tgt tea ggt gtt ate eac gtg ace aag EVATLSCGHNVSVE gaa gtg aaa gaa gtg gca acg ctg tcc tgt ggt cac aat gtt tct gtt gaa gag ctg gca Q T R I Y W Q K E K K M V L T M M S G caa act cgc atc tac tgg caa aag gag aag aaa atg gtg ctg act atg atg tct ggg gac NIWPEYKNRTIFDITN atg aat ata tgg ccc gag tac aag aac cgg acc atc ttt gat atc act aat aac ctc tcc IVILALRPSDEGTYECVVL att gtg atc ctg gct ctg cgc cca tct gac gag ggc aca tac gag tgt gtt gtt ctg aag Y E K D A F K R E H L A E V T L S V K A tat gaa aaa gac gct ttc aag cgg gaa cac ctg gct gaa gtg acg tta tca gtc aaa gct T P S I S D F E I P T S N I R R I gac ttc cct aca cct agt ata tct gac ttt gaa att cca act tct aat att aga agg ata STSGGFPEPHLSWLENGE att tgc tca acc tct gga ggt ttt cca gag cct cac ctc tcc tgg ttg gaa aat gga gaa ELNAINTTVSQDPETELYA gaa tta aat gcc atc aac aca gtt tcc caa gat cct gaa act gag ctc tat gct gtt S E F G G S G G S A T P Q N I T D L agc gaa ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt H N T Q I H T L N D K I F S Y T gca gaa tac cac aac aca caa ata cat acg cta aat gat aag ata ttt tcg tat aca gaa S L A G K R E M A I I T F K N G A T F tct cta gct gga aaa aga gag atg gct atc att act ttt aag aat ggt gca act ttt caa P G S Q H I D S Q K K A I E gta gaa gta cca ggt agt caa cat ata gat tca caa aaa aaa gcg att gaa agg atg aag IAYLTEAKVEKLCVW gat acc ctg agg att gca tat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat Н AIAAISMA aat aaa acg cct cat gcg att gcc gca att agt atg gca aat taa

B7.2-CTB construct translation DNA-PROTEIN

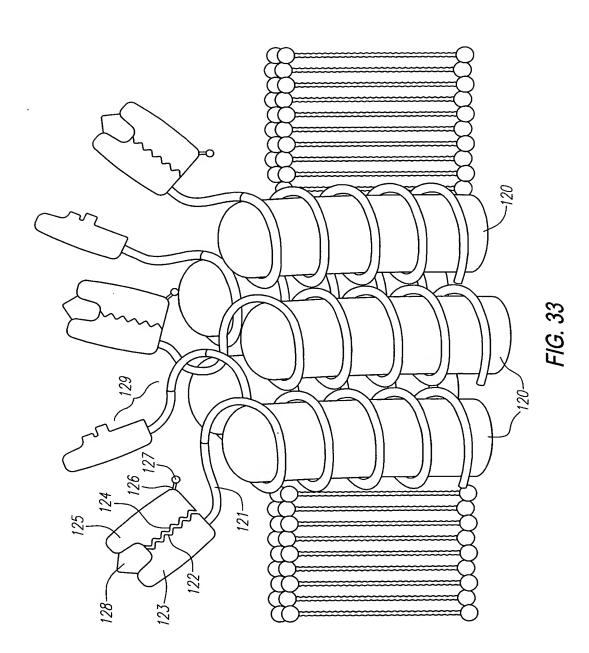
SNILFVMAFLLSGAAPL KIQAYFNETADLPCQFANSO aag att caa get tat tte aat gag act gea gae etg eea tge caa ttt gea aac tet eaa NOSLSELV V F W Q D Q E N L V L N aac caa agc ctg agt gag cta gta gta ttt tgg cag gac cag gaa aac ttg gtt ctg aat EVYLGKEKFDSVHSKYMGRT gag gta tac tta ggc aaa gag aaa ttt gac agt gtt cat tcc aag tat atg ggc cgc aca S F D S D S W T L R L H N L Q I K D K G agt ttt gat tcg gac agt tgg acc ctg aga ctt cac aat ctt cag atc aag gac aag ggc LYQCIIHHKKPTGMIRIHO ttg tat caa tgt atc atc cat cac aaa aag ccc aca gga atg att cgc atc cac cag atg N S E L S V L A N F S Q P EIVPIS aat tot gaa otg toa gtg ott got aac tto agt caa oot gaa ata gta ooa att tot aat I T E N V Y I N L T C S S I H G Y P ata aca gaa aat gtg tac ata aat ttg acc tgc tca tct ata cac ggt tac cca gaa cct K K M S V L L R T K N S T I E Y D G I aag aag atg agt gtt ttg cta aga acc aag aat tca act atc gag tat gat ggt att atg SODNYTELYDVSISLSV cag aaa tot caa gat aat gto aca gaa otg tac gac gtt too ato ago ttg tot gtt toa DVTSNMTIFCILETDKTR ttc cct gat gtt acg agc aat atg acc atc ttc tgt att ctg gaa act gac aag acg cgg LLSSPFSIELEDPQP ctt tta tct tca cct ttc tct ata gag ctt gag gac cct cag cct ccc cca gac cac gaa FGGSGGSATPQNITDLCAE ttc ggc ggc tcc ggt ggt agc gcc aca cct caa aat att act gat ttg tgt gca gaa Y H N T Q I H T L N D K I F S Y T E tac cac aac aca caa ata cat acg cta aat gat aag ata ttt tcg tat aca gaa tct cta AGKREMAIITFKNGATFQVE gct gga aaa aga gag atg gct atc att act ttt aag aat ggt gca act ttt caa gta gaa GSQHIDSQKKAIE gta cca ggt agt caa cat ata gat tca caa aaa acg gcg att gaa agg atg aag gat acc IAYLTEAKVEKLCVWNN ctg agg att gca tat ctt act gaa gct aaa gtc gaa aag tta tgt gta tgg aat aat aaa HAIAAISMAN acg cct cat gcg att gcc gca att agt atg gca aat taa

DRA1-CTB construct translation PROTEIN-DNA

M A I S G V P V L G F F I I A V L M S A ATG GCC ATA AGT GGA GTC CCT GTG CTA GGA TTT TTC ATC ATA GCT GTG CTG ATG AGC GCT Q E S W A I K E E H V I I Q A E F Y L N CAG GAA TCA TGG GCT ATC AAA GAA GAA CAT GTG ATC ATC CAG GCC GAG TTC TAT CTG AAT CCT GAC CAA TCA GGC GAG TIT ATG TIT GAC TIT GAT GGT GAT GAG ATT TIC CAT GTG GAT M A K K E T V W R L E E F G R F A S F E ATG GCA AAG AAG GAG ACG GTC TGG CGG CTT GAA GAA TTT GGA CGA TTT GCC AGC TTT GAG GCT CAA GGT GCA TTG GCC AAC ATA GCT GTG GAC AAA GCC AAC CTG GAA ATC ATG ACA AAG R S N Y T P I T N V P P E V T V L T N S CGC TCC AAC TAT ACT CCG ATC ACC AAT GTA CCT CCA GAG GTA ACT GTG CTC ACG AAC AGC CCT GTG GAA CTG AGA GAG CCC AAC GTC CTC ATC TGT TTC ATC GAC AAG TTC ACC CCA CCA W R L N G K P V · T T G V GTG GTC AAT GTC ACG TGG CTT CGA AAT GGA AAA CCT GTC ACC ACA GGA GTG TCA GAG ACA V F L P R E D H L F R K F H Y L P F L P GTC TTC CTG CCC AGG GAA GAC CAC CTT TTC CGC AAG TTC CAC TAT CTC CCC TTC CTG CCC HWGL TCA ACT GAG GAC GTT TAC GAC TGC AGG GTG GAG CAC TGG GGC TTG GAT GAG CCT CTT CTC AAG CAC TGG GAG TIT GAT GCT CCA AGC CCT CTC CCA GAG ACT ACA GAG GAA TTC GGT GGT S G G S A Q L E W E L Q A L E K E N A Q TCC GGT GGT TCC GCG CAG CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA AAC GCG CAG L E W E L Q A L E K E L A Q G G S G G S CTG GAA TGG GAA CTG CAG GCG CTG GAA AAA GAA CTG GCG CAG GGC GGC TCC GGT GGT AGC A T P Q N I T D L C A E Y H N T Q I H $\underline{\sf GCC}$ ACA CCT CAA AAT ATT ACT GAT TTG TGT GCA GAA TAC CAC AAC ACA CAA ATA CAT ACG CTA AAT GAT AAG ATA TIT TCG TAT ACA GAA TCT CTA GCT GGA AAA AGA GAG ATG GCT ATC ATT ACT TIT AAG AAT GGT GCA ACT TIT CAA GTA GAA GTA CCA GGT AGT CAA CAT ATA D S Q K K A I E R M K D T L R I A Y L T GAT TCA CAA AAA AAA GCG ATT GAA AGG ATG AAG GAT ACC CTG AGG ATT GCA TAT CTT ACT GAA GCT AAA GTC GAA AAG TTA TGT GTA TGG AAT AAA ACG CCT CAT GCG ATT GCC GCA ATT AGT ATG GCA AAT TAA

DRB1-biotag construct translation PROTEIN-DNA

31/11 KFPGGS C M ATG GTG TGT CTG AAG TTC CCT GGA GGC TCC TGC ATG GCA GCT CTG ACA GTG ACA CTG ATG 91/31 GTG CTG AGC TCC CCA CTG GCT TTG GCT GGG GAC ACC CGA CCA CGT TTC TTG GAG CAG GTT 151/51 121/41 NGT $\mathsf{E} \mathsf{R} \mathsf{V}$ AAA CAT GAG TGT CAT TTC TTC AAC GGG AGC GAG CGG GTG CGG TTC CTG GAC AGA TAC TTC 211/71 TAT CAC CAA GAG GAG TAC GTG CGC TTC GAC AGC GAC GTG GGG GAG TAC CGG GCG GTG ACG 241/81 N S GAG CTG GGG CGG CCT GAT GCC GAG TAC TGG AAC AGC CAG AAG GAC CTC CTG GAG CAG AAG 331/111 R H NYG CGG GCC GCG GTG GAC ACC TAC TGC AGA CAC ACC TAC GGG GTT GGT GAG AGC TTC ACA GTG 391/131 CAG CGG CGA GTC TAT CCT GAG GTG ACT GTG TAT CCT GCA AAG ACC CAG CCC CTG CAG CAC 451/151 FYPGSI V N G CAC AAC CTC CTG GTC TGC TCT GTG AAT GGT TTC TAT CCA GGC AGC ATT GAA GTC AGG TGG 511/171 481/161 EEKTG V V S TGL TTC CGG AAC GGC CAG GAA GAG AAG ACT GGG GTG GTG TCC ACA GGC CTG ATC CAG AAT GGA 571/191 541/181 V M L E T V P R S G E GAC TGG ACC TTC CAG ACC CTG GTG ATG CTG GAA ACA GTT CCT CGG AGT GGA GAG GTT XXX 601/201 631/211 ACC TGC CAA GTG GAG CAC CCA AGC CTG ACG AGC CCT CTC ACA GTG GAA TGG AGA GCA CGG 691/231 S E S A Q S K G G S G G S A Q L K K K L TCT GAA TCT GCA CAG AGC AAG GGC GGC TCC GGT GGT AGC GCC CAG CTG AAG AAA CTC 751/251 CAG GCT CTG AAA AAA AAG AAT GCC CAG CTC AAG CAG AAG CTG CAG GCC CTG AAG AAA AAG 811/271 781/261 LAOGSGGSAGGL CTG GCT CAG GGT TCC GGT GGT TCC GCG GGT GGT GGT TTG AAC GAC ATC TTC GAA GCT CAG 841/281 AAA ATC GAA TGG CAC TAA TAA



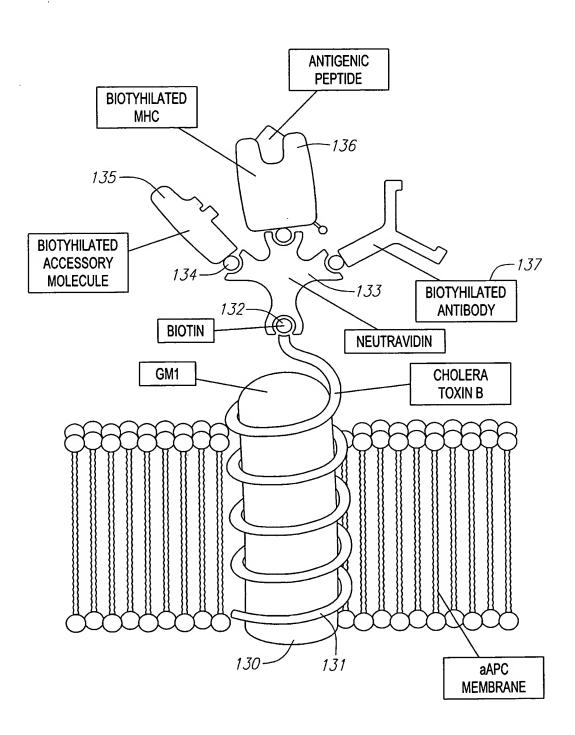


FIG. 34

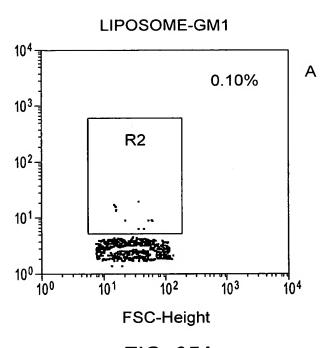


FIG. 35A

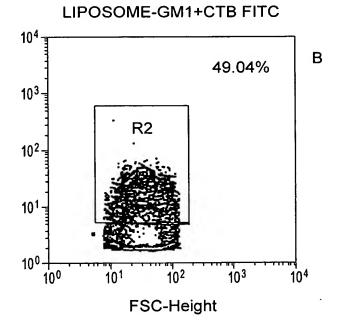


FIG. 35B

NAME	PARAMETER	GATE	p MOLES CTB FITC	GEO MEAN	%GATED M2
lip.001	FL1-H	G1	CONTROL-0	2.32	8.1
lip.002	FL1-H	G1	25pMOLES	2.25	6.1
lip.003	FL1-H	G1	50pMOLES	3.17	27.2
lip.004	FL1-H	G1	100pMOLES	2.78	20.4
lip.005	FL1-H	G1	200pMOLES	3.07	27.5
lip.006	FL1-H	G1	400pMOLES	3.52	40.4
lip.007	FL1-H	G1	800pMOLES	5.59	73.0
lip.008	FL1-H	G1	2000pMOLES	7.57	82.4
lip.009	FL1-H	G1	5000pMOLES	20.82	97.1

FIG. 36

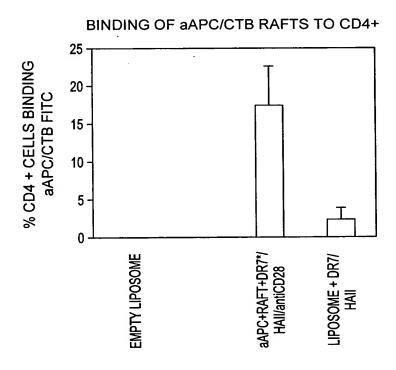
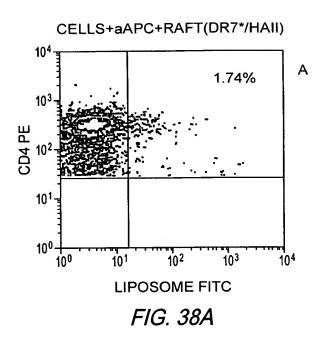
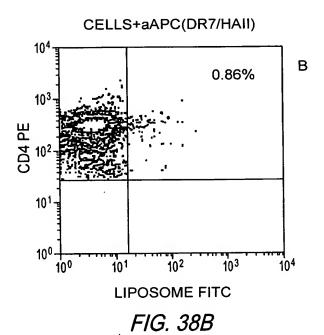
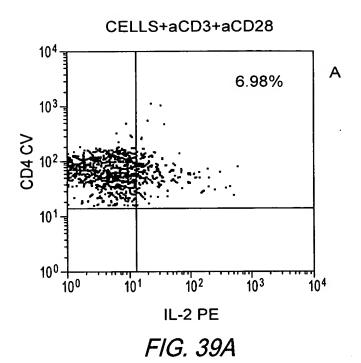
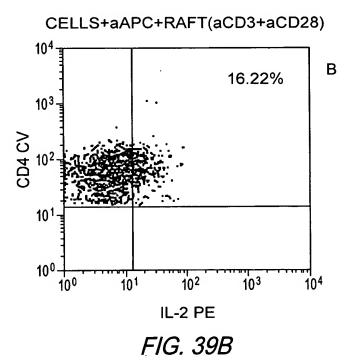


FIG. 37









CD69 EXPRESSION BY CD4-POSITIVE CELLS

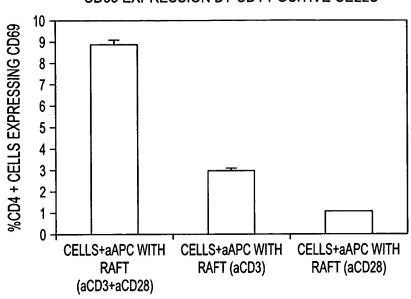


FIG. 40

IL-2 PRODUCTION BY CD4-POSITIVE CELLS

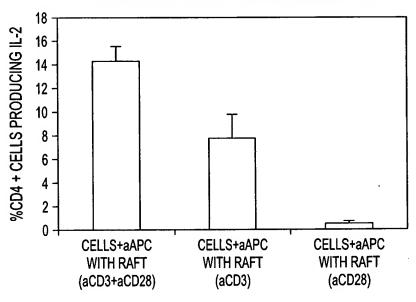


FIG. 41

CD69 EXPRESSION BY CD4-POSITIVE CELLS

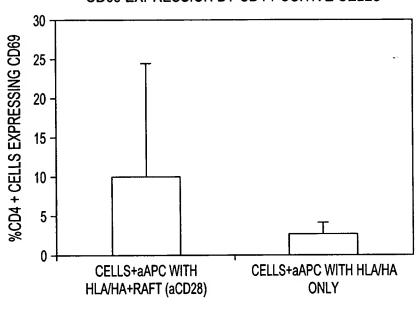


FIG. 42

IL-2 PRODUCTION BY CD4-POSITIVE CELLS

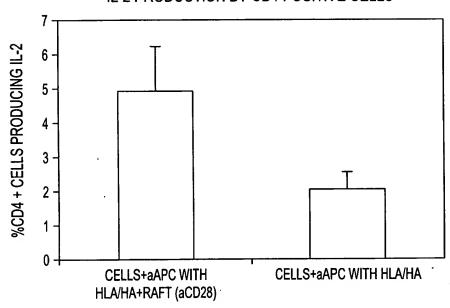


FIG. 43